

STC  
BOOK

RECEIVED  
Department of Transportation — Federal Aviation Administration  
**Supplemental Type Certificate**

*Number* SA282NW

*This certificate, issued to* S.T.C. BEE, INC.

*certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 03 of the Civil Air Regulations, effective November 13, 1945*

*Original Product — Type Certificate Number:* A-769  
*Make:* Republic  
*Model:* RC-3

*Description of Type Design Change:* Installation of Lycoming G0-435 and G0-480 series engines, Hartzell HC-A3X and HC-83X series propellers, new nacelle, engine mount, modified rear spar, and associated systems in accordance with S.T.C. Bee, Inc., Installation Instructions Model 1-LE and Drawing List Report No. 1. These documents shall be maintained as part of the permanent records for the modified aircraft.

*Limitations and Conditions:* Approval of this change in type design applies basically to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, Addendum SA282NW, and S.T.C. Bee, Inc., approved Airplane Flight Manual Supplement shall be maintained as part of the permanent records. *This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.*

*Date of application:* December 29, 1975

*Date reissued:*

*Date of issuance:* April 13, 1976

*Date amended:* December 6, 1976, November 7, 1978



*By direction of the Administrator*  
*Charles C. Schaefer*  
(Signature)

Chief, Engineering and Manufacturing Branch  
(Title)

*Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.*

United States of America  
Department of Transportation—Federal Aviation Administration  
**Supplemental Type Certificate**  
(Continuation Sheet) NOV 07 1978

*Number* SA282NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA282NW

The conditions and limitations of Type Certificate Data Sheet No. A769 apply except as follows:

The Supplemental Type Certificate Addendum, which is part of STC SA282NW, prescribes the conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: S.T.C. Bee, Inc.

I. MODELS RC-3, 4PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA282NW

Engine: Lycoming GO-435 and GO-480

Fuel: See Engine Data Sheet as follows:

<u>ENGINE</u>	<u>TC DATA SHEET</u>
GO-435 Series	E-299-16
GO-480 Series	E-275-10

Propeller: Hartzell HC-A3X (Data Sheet No. P-913-11)  
Hartzell HC-83X (Data Sheet No. P-884-12)  
Hartzell HC-A3Y (Data Sheet No. P-6EA-5)

Propeller-Engine Combinations:

The maximum and minimum propeller diameters that can be used from a vibration standpoint are shown below. No reduction below the minimum diameter listed is permissible, since this figure includes the diameter reduction allowable for repair purposes.

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